



ITI

Attorney Docket No. ITI-002

**UNITED STATES PATENT AND TRADEMARK OFFICE**

Examiner:

Art Unit: 3662

Re: Application of:

David S. Breed et al.

Serial No.:

10/822,445

Confirmation No.:

1430

Filed:

April 12, 2004

For:

Method and System for Controlling a  
Vehicle

Customer Number:

22846

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

January 12, 2005

Sir:

Applicants herewith submit a list of references potentially material to the claims of the above-referenced application, and which were cited in connection with the parent application, U.S. patent application Ser. No. 10/216,633 (now U.S. Pat. No. 6,768,944). Since this application is being filed after June 30, 2003, the requirement for a copy of the U.S. patent publications has been waived. A copy of the non-patent literature is attached.

This submission does not represent that a search has been made or that no better prior art exists. While the term "reference" is used in citing each of the publications called to the Examiner's attention herein, applicants do not make any admission that any of them are "prior art" references within the meaning of the statutory and case law.

**FIRST CLASS MAIL CERTIFICATION**

I hereby certify that this correspondence and/or fee is being deposited with the United States Postal Service as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" on January 12, 2005.

Brian Roffe

BY:

A handwritten signature in black ink, appearing to read "Brian Roffe".

Applicants reserve the right to contend, where appropriate, that a reference asserted against any claim of the present application is not prior art under the facts and the law and the right to present appropriate arguments and/or evidence to establish patentability over the references, should any of the references be applied against the claims of the present application.

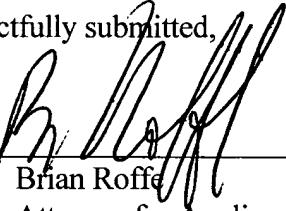
This Information Disclosure Statement is being submitted prior to issuance of a first Office Action on the merits. Therefore, no fee is due for the submission of this Information Disclosure Statement.

Applicants respectfully request that the Examiner independently determine those items the Examiner would consider the most pertinent of all the references cited herein.

It is respectfully requested that these references be considered and made of record.

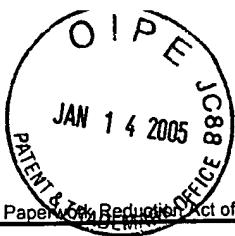
Respectfully submitted,

By:

  
\_\_\_\_\_  
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Enclosures  
PTO-1449 (3 pages)



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031  
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Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

### Complete if Known

Application Number	10/822,445
Filing Date	April 12, 2004
First Named Inventor	David S. Breed
Art Unit	3662
Examiner Name	
Attorney Docket Number	ITI-002

Sheet 1 of 1

### U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 5,617,317	4/1997	Ignagni	
		US- 5,760,737	6/1998	Brenner	
		US- 5,890,083	3/1999	Franke	
		US- 5,926,117	7/1999	Gunji	
		US- 5,983,161	11/1999	Lemelson	
		US- 6,014,608	1/2000	Seo	
		US- 6,311,129	10/2001	Lin	
		US- 6,370,475	4/2002	Breed	
		US- 6,405,132	6/2002	Breed	
		US- 6,453,238	9/2002	Brodie	
		US- 6,459,990	10/2002	McCall	
		US- 6,516,273	2/2003	Pierowicz	
		US- 6,560,535	5/2003	Hohman	
		US- 6,768,944	7/2004	Breed	
		US- 2003/0025597	2/2003	Schofield	
		US- 2003/0112132	6/2003	Trajkovic	
		US- 5,841,367	11/1998	Giovanni	
		US-			
		US-			

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		WO 01/50088	7/2001	Levy		

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

**(Use as many sheets as necessary)**

Sheet 2

of 4

**Complete if Known**

Application Number	10/822,445
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				Examiner Name	
Sheet <u>3</u> of <u>4</u>	Attorney Docket Number	ITI-002			

<b>NON PATENT LITERATURE DOCUMENTS</b>				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>
	1	SRI International Centimeter- Level GPS for Highway Systems, J.W. SINKO et al. Jul., 1998.		
	2	SRI International, An Evolutionary Automated Highway System Concept Based on GPS, J.W. SINKO, Sep., 1996 (p. 5, second column to p. 7).		
	3	SRI International Using GPS for Automated Vehicle Convoying, T.M. NGUYEN, Sep. 1998.		
	4	V. MORALLES et al., Preview Based Control of a Tractor Trailer Using DGPS for Preventing Road Departure Accidents, 1998 IEEE International Conference on Intelligent Vehicles, pp.797-805.		
	5	S. BAJIKAR et al., Evaluation of In-Vehicle GPS-Based Lane Position Sensing for Preventing Road Departure, 1998 IEEE International Conference on Intelligent Vehicle, pp.307-402.		
	6	B. SCHILLER et al., Collision Avoidance for Highway Vehicles Using the Virtual Bumper Controller, 1998 IEEE International Conference on Intelligent Vehicles, pp. 149-155.		
	7	M. O'SHEA and V. SHUMAN, Looking Ahead: Map Database in Predictive Positioning and Safety Systems, no Date.		
	8	J. PIEROWICZ, Use of Map Data Information in an On-Board Intersection Violation Detection System, 1998 IEEE.		

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Sheet	4	of	4
		Attorney Docket Number	ITI-002

<b>NON PATENT LITERATURE DOCUMENTS</b>				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>
	9	GORAN M. DJUKNIC and ROBERT E. RICHTON , Geolocation and Assisted GPS, Feb, 2001.		
	10	H. WEINBERG, MEMS Sensors Are Driving the Automotive Industry, Sensors, Feb. 2002		
	11	R. GRACE, The Growing Presence of MEMS and MST in Automotive Applications, Sensors, Sep. 1999.		
	12	D. SINGH et al., Autonomous Vehicle Using WADGPS, Proceedings of Intelligent Vehicles '95 Symposium, Sep. 25-26, 1995, pp. 370-375.		

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